

SHEN RATHNAYAKA

Software Engineering Internship Candidate

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PROFESSIONAL SUMMARY

Second-year Information Technology undergraduate seeking a Software Engineering Internship, with experience in full-stack and mobile development across academic, company-mentored, and client projects using Flutter, Next.js, TypeScript, Express.js, and PostgreSQL, alongside practical experience in AI and data-driven software development.

EDUCATION

B.Sc.(Hons) Information Technology (currently reading)

2024 - 2028

- University of Moratuwa
- CGPA : 3.68 / 4.00

PROJECTS

Park Chain Web & Mobile App

Oct 2025 - Present

Group Software Project | Mentored by Geveo

- Contributed to a company-mentored group project for ParkChain, a Web3-based peer-to-peer parking marketplace with a Flutter mobile app, Next.js seller/admin web platform, and Express.js backend. Initialized and structured the mobile codebase using clean architecture, integrated Google Maps for parking spot listing, implemented driver navigation guidance, arrival confirmation, check-in, and checkout flows. Also contributed to the web admin spot management module, settings page, Google Maps integration, and backend checkin/checkout APIs with location-handling logic.

- Mobile: Flutter, Google Maps API
- Web: Next.js, TypeScript, Tailwind CSS
- Backend: Express.js, PostgreSQL

🔗 [Mobile Repo:](#)

🔗 [Web Repo:](#)

🔗 [Backend Repo:](#)

[Web link](#) & [APK Download](#)

Riverina Surveying Website

June 2026 - Present

Real Client Project | Under Development

- Developing an SEO-friendly website for an Australian land surveying company using Next.js, React, TypeScript, and Tailwind CSS. Built core business pages including Home, About, Services, Service Areas, and Contact, along with a customer enquiry system for seamless client communication and document submissions. Implemented an admin dashboard to manage enquiries, uploaded documents, website content, and automated database backups, improving operational efficiency and content management.

- Frontend: Next.js, React, TypeScript, Tailwind CSS
- Storage: AWS S3, PostgreSQL (Neon)
- Backend: Node.js, Express.js
- Features: Admin Dashboard, Enquiry Management, File Uploads, Automated Backups

Investment Research Copilot | Ongoing

- FinSight is an AI-powered investment research copilot that ingests financial documents, extracts and chunks content, stores embeddings in PostgreSQL with pgvector, and uses retrieval-augmented workflows to support grounded analysis and insight generation. The project is built with a layered FastAPI backend, async database access, and document storage designed for scalable financial document processing.
- Backend : FastAPI
- Database: PostgreSQL, pgvector
- Infrastructure : Docker
- AI: OpenAI embeddings (not yet)
- Frontend : Nextjs (not yet)

 [Repo link](#)

CERTIFICATIONS

- [Developing Back-End Apps with Node.js and Express | IBM](#)
- [Developing Front-End Apps with React | IBM](#)
- [Introduction to Containers w/ Docker, Kubernetes & OpenShift | IBM](#)
- [Introduction to Cloud Computing | IBM](#)
- [Introducing Generative AI with AWS](#)

ACHIEVEMENTS

- **Google Cloud Arcade & Cloud Skills Boost Badges:** Completed Google Cloud hands-on labs through Cloud Skills Boost, earned skill badges, and received Google Cloud Arcade swags. [Link : linkedin post](#)

HACKATHONS

- **Coin Ceylone(2025) - Blockchain competition - (Participant certificate)**
(Organized by CoinCeylon)

 [Repo link:](#)

TECHNICAL WRITING & CURRENT LEARNING

- **Web3 & Solana Development:**

Following the [MLH 100 Days of Solana challenge series](#) and documenting my learning through technical writing. Published a DEV Community article on Solana identity, covering keypairs, wallets, public/private keys, and Web2-to-Web3 authentication concepts.

[Blog link: DEV.to](#)